

# Aries™ TWD

Integral non pressure-compensated high clogging resistance dripper, for multi-seasonal semi-permanent crops on surface or sub surface.

→ 12150 - 16125 - 16150 - 22125 - 22150



High clogging resistance



Self-cleaning labyrinth



Wide filtration area

## / Benefits & Features

- High clogging resistance Even with challenging water quality, with self-cleaning labyrinth that flushes debris throughout operation.
- Wide filtration area Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the drippers.
- TurbuNext™ Labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance.

## / Specifications

- ✓ Maximum operating pressure according to driplines wall thickness and diameter. See table below.
- ✓ Recommended filtration: depending on dripper flow rate. Filtration method selected based on the kind and concentration of dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment shall be applied following Netafim expert instructions.
- ✓ TurbuNext™ labyrinth with superior performance.
- ✓ Weldable into thin wall driplines (0.31, 0.38 mm).
- ✓ Injected dripper, very low CV.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

## → DRIPPERS TECHNICAL DATA

12150, 16125, 16150, 22125, 22150 - 0.31, 0.38 mm wall thickness driplines

FLOW RATE* (L/H)	MAXIMUM WORKING PRESSURE (BAR)**	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT X	RECOMMENDED FILTRATION (MICRON)/(MESH)
0.50	1.5 / 1.8 / 2.2 / 3.0	0.47 x 0.53 x 65	36	0.173	0.46	130/120
0.80		0.54 x 0.69 x 65	43	0.277	0.46	130/120
0.95		0.60 x 0.74 x 65	49	0.329	0.46	200/80
1.35		0.71 x 0.85 x 65	53	0.468	0.46	200/80
1.85		0.76 x 1.03 x 65	54	0.641	0.46	200/80
2.80		0.90 x 1.20 x 65	54	0.971	0.46	200/80
3.80		0.94 x 1.28 x 33	54	1.318	0.46	200/80
8.00		1.52 x 1.28 x 28	50	2.773	0.46	200/80

\*Flow rate at 1.0 bar pressure \*\*According to driplines wall thicknesses / inside diameter

## → DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	MAXIMUM FLUSHING PRESSURE (BAR)	KD
12150	11.80	0.38	12.56	3.0	3.9	0.40
16125	16.20	0.31	16.82	1.8	2.3	0.30
16150	16.20	0.38	16.96	2.2	2.9	0.30
22125	22.20	0.31	22.82	1.5	2.0	0.06
22150	22.20	0.38	22.96	1.8	2.3	0.06

## → DRIPLINES PACKAGE DATA (ON CARTON COIL)

MODEL	WALL THICKNESS (MM)	DISTANCE BETWEEN DRIPPERS (M)	COIL LENGTH (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
12150	0.38	0.15	1000	19.1	480	480000
		0.20 to 0.25	1100	19.3	480	528000
		0.30 to 1.00	1200	19.8	480	576000
16125	0.31	0.15 to 0.25	1000	18.7	640	640000
		0.30 to 1.00	1100	19.5	640	704000
16150	0.38	0.15 to 0.25	900	20.1	640	576000
		0.30 to 1.00	1000	21.4	640	640000
22125	0.31	0.15 to 0.25	900	21.9	640	576000
		0.30 to 1.00	1000	23.4	640	640000
22150	0.38	0.15 to 0.25	700	20.6	640	448000
		0.30 to 1.00	800	22.7	640	512000

\* Calculated weight average. For further details see "Average Coil Weight Disclaimer".